Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/04/2017 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125884	0	1.55	125796	1.54
Blue	F	SSC	125000	124063	-1	3.51	124500	3.41
Blue	E	FITC	23355	22450	-4	2.54	1005	10.22
Blue	D	PE	28848	28452	-2	2.13	1026	10.01
Blue	B	PerCP-Cy5-5	47791	47222	-2	3.51	1355	16.91
Blue	A	PE-Cy7	41358	40852	-2	5.22	630	35.42
Red	C	APC	51316	51254	-1	2.67	2961	9.16
Red	A	APC-Cy7	53225	52573	-2	2.69	1092	10.99
Violet	B	V450	14473	13872	-5	3.37	666	8.67
Violet	A	V500	59973	58742	-3	3.10	2615	6.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19673	3.23	609	11	N/A	N/A	Pass
Blue	F	SSC	61776	1.92	542	8	N/A	N/A	Pass
Blue	E	FITC	111	38.83	542	-2	0.0209	147	Pass
Blue	D	PE	225	28.95	540	2	0.1490	211	Pass
Blue	B	PerCP-Cy5-5	211	44.76	630	0	0.0101	88	Pass
Blue	A	PE-Cy7	69	116.90	682	1	0.0119	12	Pass
Red	C	APC	349	27.36	589	-5	0.0219	126	Pass
Red	A	APC-Cy7	119	40.70	568	-8	0.0059	1929	Pass
Violet	B	V450	81	41.90	464	-7	0.0477	2007	Pass
Violet	A	V500	189	22.17	495	-6	0.0137	201	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.69	-31.10	0.89
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	19.20	13.27 - 19.91	N/A	N/A	30.96	31.52	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10221

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments